



Louisiana Public Service Commission

POST OFFICE BOX 91154
BATON ROUGE, LOUISIANA 70821-9154
www.lpsclouisiana.gov

COMMISSIONERS

Mike Francis, Chairman
District IV
Foster L. Campbell, Vice Chairman
District V
Lambert C. Boissiere III
District III
Eric F. Skrmetta
District I
Craig Greene
District II

Telephone: (225) 342-9888

BRANDON M. FREY
Executive Secretary

KATHRYN H. BOWMAN
Executive Counsel

September 4, 2019

JOHNNY E. SNELLGROVE, JR.
Deputy Undersecretary

VIA HAND DELIVERY

Ms. Terri Bordelon
Louisiana Public Service Commission
Records and Recordings
602 N. Fifth St.
Galvez Bldg, 12th Fl.
Baton Rouge, LA 70802

2019 SEP -4 PM 2:11
LA PUBLIC SERVICE
COMMISSION

Re: Docket No. R-33929, Louisiana Public Service Commission, ex parte.

Dear Ms. Bordelon:

Enclosed for filing is *Staff Proposed Settlement* in the above-referenced dockets.

Please do not hesitate to contact me if you have any questions concerning this filing.

Very Truly Yours,

Kathryn H. Bowman/kmt

Kathryn H. Bowman
Staff Attorney

KHB/kst
Encl.
cc: Service List

BEFORE THE
LOUISIANA PUBLIC SERVICE COMMISSION
DOCKET NO. R-33929

2019 SEP -4 PM 2: 11
LA PUBLIC SERVICE
COMMISSION

***In Re: Review of Policies Related to Customer-Owned Solar Generation and
Possible Modification of the Commission's Current Net Metering Rules***

STAFF PROPOSED SETTLEMENT

This docket was established by the Commission in December 2015 to conduct a 2-phase rulemaking to: 1) modify the Commission's current net metering rules in order to address how new solar customers should be compensated once a utility reaches the net metering cap found in § 5.02 of the rules; and 2) examine appropriate changes to solar policies in Louisiana. Section 5.02 of the Commission's net metering rules required then, and currently requires, utilities to have a net metering program that requires solar customers to be compensated for net metered excess solar generation sold back to the utility at the utility's full retail rate, except that obligation is capped at .5% of each utility's monthly LPSC-jurisdictional retail peak load. Once that .5% cap is reached and verified, the utility is no longer obligated to credit any customers applying for net metering service after that date at retail rates. Instead, the Commission's rules state that, "the utility shall credit customers for excess net metered energy delivered to the grid at the utility's avoided cost rate, as set forth in Section 5.01 above." Several utilities had reached their caps at the time the Commission initiated this docket.

Notice of this proceeding was published in the LPSC's Official Bulletin #1105, and interventions were due on or before January 21, 2016. Interventions were filed by the Association of Louisiana Electric Cooperatives (ALEC), Louisiana Energy Users Group (LEUG); NRG Companies (NRG); Cleco Power LLC (Cleco), Marathon Petroleum Company, LP (Marathon),

Southwestern Electric Power Company (SWEPCO), Southwest Louisiana Electric Membership Corp. (SLEMCO), Gulf States Renewable Energy Industries Association (GSREIA), Entergy Louisiana, LLC (ELL), Posigen of Louisiana LLC (Posigen), South Coast Solar LLC (South Coast), Alliance for Affordable Energy (AAE), Energy Freedom Coalition of America, LLC (EFCOA); Dixie Electric Membership Corporation (DEMCO), Wilhite Solar Solutions LLC (Wilhite); Gulf South Solar (Gulf South), Alliance for Solar Choice, and Sierra Club. All requested late interventions were allowed.

Along with the notice in Docket No. R-33929, Commission Staff proposed Phase I modifications to the Commission's net metering rules. The notice and proposed modifications were filed into the docket and were sent to all parties of record in Dockets No. U-32913 and X-33192. Staff's proposed Phase I modifications addressed only issues related to post-cap remuneration. The following parties filed comments on the proposed modifications: EFCOA, ELL, ALEC, PosiGen, AAE, Sierra Club, GSREIA, SWEPCO, SLEMCO, and The Alliance for Solar Choice. Staff's Phase I recommendations were filed into the record on March 15, 2016. On December 8, 2016, the Commission adopted General Order 12-8-2016, which: 1) defined excess net metered energy as "The kilowatt-hours ("kWh") generated by the net metering facility and exported to the electric utility during the billing period that exceed the kWhs supplied to the net metering customer by the electric utility during the same billing period;" 2) added language to provide for transferability of interconnection agreements; and 3) added language to require utilities to continue accepting net metering applications after reaching their net metering cap, but to compensate net metering customers for the excess net metered energy at the utility's avoided cost. That order concluded Phase I of this docket.

In Phase II, an Initial Request for Comments was issued by Staff on January 20, 2017. That Initial Request sought specific information, but also allowed any party to provide any additional comments that would assist the Commission in adopting fair and reasonable rules "that will be, reasonable, enforceable and not burdensome, and that could adapt to industry changes as necessary." Comments were filed by ELL, Sierra Club, ALEC, SWEPCO, GSREIA, Posigen, and AAE. On November 28, 2017, Staff issued a Phase II "Notice of Proposed Modified Rules and Request for Comments." Comments were submitted on behalf of Wilhite, Cleco, Posigen, Walmart Stores, Inc. (Walmart) (Walmart sought intervention on January 25, 2018), ELL, ALEC, Sierra Club, AAE, and GSREIA. After review of all the comments filed, the "Notice of Staff Recommendation on Final Proposed Rule" was issued on January 8, 2019.

The Final Proposed Rule recommended some changes to the existing net-metering rules. It recommended elimination of the 0.5% cap on solar users. It recommended two-channel metering and billing. It proposed the payment of avoided cost, based upon Locational Marginal Prices, for excess power produced and sold to the utility, except that it recommended a five-year grandfathering provision, under which any entity with a solar facility installed prior to issuance of a Commission order would be paid full retail rates for excess power sold to the utility under two channel metering. In addition, the Final Proposed Rule would not allow the grandfathering to continue if ownership of the property is transferred, would allow Renewable Energy Credits ("RECs") to be eligible for use only in Louisiana, would cap the maximum size of a commercial solar facility at 300 kW, and would allow no automatic reevaluation by the Commission at the end of the five-year grandfathering period.

Since the issuance of the Final Proposed Rule, the Staff has been meeting with stakeholders and receiving feedback to that Proposed Rule. On August 14, 2019, Staff issued a "Notice of

Settlement Conference" to all parties to this docket. That Settlement Conference was established to discuss potential alternatives to the Final Proposed Rule filed into the record on January 8, 2019. Prior to that Settlement Conference, Staff circulated to all the Intervenors in the docket a confidential proposal to resolve all of the issues in this docket, and it provided a dial in for those Intervenors that were not able to attend in person. That settlement proposal included, among other provisions, a potential extension of the grandfathering period to fifteen years. That settlement conference was held on August 21, 2019. Discussions were held regarding the Staff settlement proposal, and feedback was received from the parties in attendance. At the end of that Settlement Conference, there was no agreement reached among all of the parties to consensually resolve the issues in this docket. Instead, it was agreed that any Intervenor was invited to comment on the Staff's proposal in writing or offer alternative proposals in writing by the close of business on August 28, 2019.

On August 28, 2019, comments were submitted by Cleco, SWEPCO, ELL, ALEC, AAE and Sierra Club (jointly), Posigen, and GSREIA. Those comments contained a wide variety of views on the Staff's proposal as well as a number of requests for clarification. After review and due consideration of these comments and settlement proposals, it is the recommendation of the Staff that its "Notice of Staff Recommendation on Final Proposed Rule" issued on January 8, 2019" be adopted by the Commission, except as modified by the following terms:

- 1) The .5% cap on solar users shall be eliminated;
- 2) All customers who have both submitted a complete interconnection request and completed installation of a Distributed Generation ("DG") Facility by 12/31/19 will receive the full retail rate for all the energy produced and consumed and be credited at full retail rates for the excess energy sold back to the utility through 12/31/2034 (i.e., a 15-year grandfathered period). This includes all current solar customers who presently do not receive full retail rates for excess energy sold. After 12/31/2034, these grandfathered customers shall receive the full retail rate for all the energy

produced and consumed and be credited at avoided cost for all excess energy sold back to the utility.

- 3) All customers who submit an interconnection request and install a Distributed Generation Facility after 12/31/19 will receive the full retail rate for all the energy produced and consumed and be credited at avoided costs for the excess energy sold back to the utility.
- 4) Avoided Cost" is the 12-month average Locational Marginal Price for each LPSC-jurisdictional incumbent Electric Utility. The Avoided Cost rate will be updated annually by each LPSC-jurisdictional Electric Public Utility in its annual filing pursuant to Section 7.2 of the Distributed Generation Rule, and the calculation of Avoided Cost will be the 12-month average for the prior calendar year of the Locational Marginal Price associated with the LPSC-jurisdictional Electric Public Utility's load zone in the applicable Independent System Operator market: the Midcontinent Independent System Operator or the Southwest Power Pool.
- 5) The Avoided Cost rate for each LPSC-jurisdictional Electric Utility shall be posted on the Electric Utility's website and the Avoided Cost rates for all LPSC-jurisdictional Electric Utilities shall be posted on the LPSC's website.
- 6) If a solar facility is subject to grandfathering, that grandfathering continues even if the property is sold.
- 7) LPSC-jurisdictional Electric Utilities will be required to consider developing tariffs for community distributed generation, subject to LPSC approval.
- 8) There will be a 30-day review period for residential Distributed Generation applications and a 45-day review period for commercial/community Distributed Generation applications. However, utilities will utilize their best efforts to complete the review of residential Distributed Generation applications within 14 days.
- 9) The owners of the solar facilities retain ownership of the Renewable Energy Credits ("RECs"), and will have the option to retain or transfer those credits upon the sale of the property housing the solar facilities. However, a utility may in a DG tariff filing, subject to the approval of the Commission, request the opportunity to offer to purchase RECs from REC owners interested in relinquishing their REC ownership.
- 10) Requests for approval of multiple systems greater than 300 MW in a single filing will be permitted.
- 11) Section 4.1.3.1 as contained in the Staff's proposed tariff will be amended as follows: "If the Distributed Generation Customer has multiple service accounts with the Electric Utility, the Distributed Generation Customer may elect, after notifying the Electric Utility and subject to Commission review if disputed by the

Electric Utility, to apply credits pursuant to Section 4.1.3 to any other eligible meter at the same physical location, provided that the conditions identified in Section 4.5 are not applicable."

- 12) There will be an automatic re-evaluation of the Rule at the end of the grandfathering period or earlier if directed by the Commission.
- 13) The Settlement Terms and Final Proposed Rule shall be applied on a prospective basis only, without any true-up of net meter customers that were credited/compensated for excess net metered energy at the electric utility's avoided cost rate during the interim period from the date the utility met the 0.5% cap pursuant to Section 5.02 of the Commission's current net metering rules (Attachment "A" to LPSC General Order No. 12-8-2016 (R-33929)) to the effective date of the Final Proposed Rule.
- 14) All amounts credited/compensated to customers for excess net metered energy exported to the electric utility, whether at avoided cost or full retail rates, shall continue to be eligible for recovery by the utility pursuant to Commission General Order No. U-21497 (11-6-1997), which governs the types of costs that may be recovered through a utility's monthly Fuel Adjustment Clause (see Section 6.2.1.4 of the Final Proposed Rule).

A copy of the proposed Distributed Generation Rules are attached hereto as Exhibit 1 with redlined tracked changes showing the changes made since Staff filed its Proposed Rule in January 2019.

/s Paul Zimmering
Paul Zimmering
Noel Darce
Stone Pigman Walther Wittman L.L.C.
909 Poydras Street, Suite 3150
New Orleans, La 70112-4042
Ph. (504) 581-3200
pzimmering@stonepigman.com
ndarce@stonepigman.com

Kathryn H. Bowman /umt
Kathryn H. Bowman
Executive Counsel
Louisiana Public Service Commission
P.O. Box 91154
Baton Rouge, Louisiana 70821-9154
602 North Fifth Street, Galvez Bldg., 12th Fl.
Baton Rouge, Louisiana 70802
Ph. (225) 342-9888
kathryn.bowman@la.gov

ATTACHMENT: EXHIBIT 1

Proposed Distributed Generation Rule

RULE FOR DISTRIBUTION-LEVEL CUSTOMER ENERGY GENERATION

Section I: Purpose and Definitions.

- 1.1. **Purpose:** The purpose of this Rule is to define the terms and conditions under which electric and/or combined electric and gas utilities will provide service to behind-the-meter, distribution-level generation.
 - 1.1.1. Utilities will be required to provide fair, open and non-discriminatory access to all forms of distributed generation that are eligible and in compliance with this Rule.
 - 1.1.2. Utilities will facilitate the safe interconnection of qualifying customer-owned distributed generation.
 - 1.1.3. Distributed generation of all types will be reimbursed for any on-site generation electricity that is put to the distribution grid at rates that are cost-based as provided by Section 1.2.1 and 6.2.
 - 1.1.4. All distributed generation-related costs will be recovered through distributed generation-related rate riders. The costs of distributed generation will not be subsidized by, nor socialized across, other customer classes.
 - 1.1.5. Utilities will be responsible for monitoring existing distributed generation installations.
 - 1.1.6. Utilities will be expected to account for distributed generation resources in their future resource planning processes.
 - 1.1.7. The 0.5% cap in Section 5.02 of the Net Metering Rules adopted in General Order dated December 8, 2016 is eliminated.
- 1.2. **Definitions:** For the purposes of this Rule, the following terms will have the following meanings:
 - 1.2.1. **Avoided Costs:** The incremental cost to an electric utility for energy or capacity or both which, but for the purchase from the distributed generation facility, the utility would generate itself or purchase from the market and will be calculated based upon the definitions included in this Rule (Section 6.2).
 - 1.2.2. **Billing Period:** The billing period for a distributed generation facility will be the same as the billing period under the Distributed Generation Customer's applicable standard rate rider.
 - 1.2.3. **Commission:** The Louisiana Public Service Commission.
 - 1.2.4. **Commercial Customer:** A customer served under a utility's standard rate schedule applicable to commercial service.
 - 1.2.5. **Community Distributed Generation Facility:** A facility for the production of electric energy that:
 - 1.2.5.1. Has a generating capacity of not more than three hundred (300) kilowatts; and,
 - 1.2.5.2. Is owned, as defined by LA Civil Code Article 477, by a community distributed generation organization; and,
 - 1.2.5.3. Is located in the same electric service territory as all member Distributed Generation Customers; and,

- 1.2.5.4. Can operate in parallel with an electric utility's existing transmission and distribution facilities; and,
- 1.2.5.5. Is a separate facility with its own electric meter from any of the Distributed Generation Customers comprising the members of the community distributed generation organization; and,
- 1.2.5.6. Operates exclusively to offset part or all of the member Distributed Generation Customers' requirements for electricity.
- 1.2.6. Community Distributed Generation Organization: An organization of member Distributed Generation Customers that owns, as defined by LA Civil Code Article 477, and operates a community distributed generation facility.
- 1.2.7. Distributed Generation Customers: Any customer who chooses to take electric service under a distributed generation rate rider, as set out below. For commercial customers, this includes subsidiaries and affiliates.
- 1.2.8. Distributed Generation Facility: A facility for the production of electrical energy that:
 - 1.2.8.1. Has a generating capacity of not more than twenty-five (25) kilowatts for residential or three hundred (300) kilowatts for commercial or agricultural use.
 - 1.2.8.2. Can operate in parallel with an electric utility's existing transmission and distribution facilities.
 - 1.2.8.3. Is intended primarily to offset part or all of the Distributed Generation Customer's requirements for electricity as outlined in Section 4.3.
 - 1.2.8.4. Is designated by the Commission as eligible for distributed generation service pursuant to Section 4.5.
- 1.2.9. Electric Utility/Utility: An investor-owned electric utility, an electric cooperative, or any other entity meeting the definition of a "public utility" as used in La R.S. 45:1161.
- 1.2.10. Effective Date: ~~The effective date of the Commission's General Order in Docket No. R-33929~~ January 1, 2020.
- 1.2.11. Interconnection Costs: The reasonable costs of connection, switching, metering, transmission, distribution, safety provisions and administrative costs incurred by the electric utility directly related to the installation and maintenance of the physical facilities necessary to permit interconnected operations with a distributed generation facility, to the extent the costs are in excess of the corresponding costs which the electric utility would have incurred had it not engaged in interconnected operations, but instead generated an equivalent amount of electric energy itself or purchased an equivalent amount of electric energy or capacity from other sources. Interconnection costs do not include any costs included in the calculation of avoided costs.
- 1.2.12. Parallel Operation: The operation of on-site generation by a Distributed Generation Customer while the Distributed Generation Customer is connected to the utility's distribution system.
- 1.2.13. Renewable Energy Credit: The environmental, economic, and social attributes of a unit of electricity, such as a megawatt hour, generated from renewable fuels that can be sold or traded separately.
- 1.2.14. Residential Customer: A customer served under a utility's standard residential rate schedules.

Section II: Scope.

2.1. Applicability:

- 2.1.1.** This Rule applies to the regulation of distributed generation service for jurisdictional Electric Utilities.
- 2.1.2.** Distributed Generation Customers taking service under the provisions of a Utility's distributed generation rate rider may not simultaneously take service under the provisions of any other alternative source generation or cogeneration rate schedule or rider except as provided herein.

- 2.2. General Condition:** The Distribution-Level Customer Energy Generation Rule is not intended to, and do not affect or replace any Commission approved general service regulation, policy, procedure, rule or service application of any utility which address items other than those covered in this Rule.

Section III: Distributed Generation Requirements.

3.1. Electric Utility Requirements:

- 3.1.1.** A jurisdictional Electric Utility that offers residential or commercial electrical service, or both, shall allow Distributed Generation Facilities or Community Distributed Generation Facilities to be interconnected using a standard meter capable of registering the flow of electricity in two (2) directions. A two-channel meter or other type meter which is capable of determining the net energy from the Distributed Generation Facility can be utilized.
- 3.1.2.** If the meter that is currently installed on the Distributed Generation Facility is incapable of registering the flow of electricity in two directions, an appropriate meter or meters to measure the flow of electricity in each direction shall be installed by the Electric Utility.
- 3.1.3.** If an additional meter or meters are installed, the Distributed Generation Facility's metering calculation shall yield the same result as when a single meter is used.

3.2. Metering Requirements:

- 3.2.1.** Metering equipment shall be installed to both accurately measure the electricity supplied by the Electric Utility to each Distributed Generation Customer or Community Distributed Generation Organization and also to accurately measure the electricity generated by each Distributed Generation Customer or Community Distributed Generation Organization that is fed back to the Electric Utility over the applicable Billing Period.
- 3.2.2.** Accuracy requirements for a meter operating in both forward and reverse registration modes shall be defined in Appendix B.

3.3. Faulty meter operations or billing:

- 3.3.1.** To the extent a faulty meter or other billing error has resulted in a Distributed Generation Customer or Community Distributed Generation Organization receiving insufficient credits or payments, the Utility shall make the appropriate credits or payments in the next Billing Period.
- 3.3.2.** To the extent a faulty meter or other billing error has resulted in the Distributed Generation Customer or Community Distributed Generation Organization receiving excess credits or payments, then the Utility shall reduce future credits or payments by the excess amount in the next available Billing Period.
- 3.3.3.** Nothing in this section is intended to supersede the provisions of the Commission's General Order dated April 21, 1993, regarding computer glitches and billing errors.

3.4. Meters and meter installation charges:

- 3.4.1. Except as set forth in 3.4.2 and 3.4.3 below, the cost of replaced metering equipment to allow for distributed generation pursuant to 3.1.2 shall be the responsibility of the Electric Utility and shall not be assessed on the Distributed Generation Customer.
- 3.4.2. The Electric Utility may assess a one-time charge to recover costs associated with new additional metering equipment, if an additional meter or meters is requested by the Distributed Generation Customer.
- 3.4.3. The Electric Utility may assess a one-time charge to the Distributed Generation Customer to cover the incremental costs of meter installation. This charge shall be clearly identified in the Utility's Rate Rider and shall be cost-based. To the extent such a rider is not already on file with the Commission, any new filings will be subject to the Commission's rules as established in the upcoming rulemaking docket R-37438.

Section IV: Distributed Generation Operations.

4.1. Billing for distributed generation facilities:

- 4.1.1. On a monthly basis, the Distributed Generation Customer shall be billed the charges applicable under the currently effective standard rate schedule and any appropriate rider schedules for the energy delivered by the Utility.
- 4.1.2. Electricity generated and fed to the Electric Utility by the Distributed Generation Facility shall be credited against the Distributed Generation Customer standard volumetric rate schedule charge during the current Billing Period. Electricity generated and fed to the Electric Utility by the Distributed Generation Facility shall be valued by the Electric Utility, for bill crediting purposes, as the product of the kWh exported to the Electric Utility and the Utility's applicable Avoided Cost rate (as defined in Section 6.2).
 - 4.1.2.1. The Electric Utility's applicable Avoided Cost rate shall be clearly identified on the Distributed Generation Customer's monthly bill.
 - 4.1.2.2. Section 4.1.2. shall not apply in instances where conditions identified in Section 7.1 ("Facilities installed prior to the Effective Date") are applicable.
- 4.1.3. At the end of the Billing Period, if the value of the electricity generated by the Distributed Generation Facility exceeds the cost of the electricity supplied by the Electric Utility to the Distributed Generation Customer, subject to the applicable rate schedule, the Distributed Generation Customer's monthly bill shall be credited, on the next Billing Period, for the monetary value of the excess distributed generation as defined in Section 4.1.2.
 - 4.1.3.1. If the Distributed Generation Customer has multiple service accounts with the Electric Utility, the Distributed Generation Customer may elect, after notifying the Electric Utility and subject to Commission review if disputed by the Electric Utility, to apply credits pursuant to Section 4.1.3. to any other eligible metered at the same physical location, provided that the conditions identified in Section 4.5 are not applicable-account.
 - 4.1.3.2. For the final month in which the Distributed Generation Customer takes service from the Electric Utility, the Electric Utility shall issue a check within sixty (60) days to the Distributed Generation Customer for the balance of any credit due in excess of the amounts owed by the Distributed Generation Customer to the Electric Utility.

4.1.3.3. Section 4.1.3. shall not apply in instances where the conditions identified in Section 7.1 are applicable.

4.2. Billing for Community Distributed Generation Facilities:

- 4.2.1. On a monthly basis, the Electric Utility shall determine the total electrical energy generated by the Community Distributed Generation Facility and fed back to the Electric Utility expressed in kWh.
- 4.2.2. The value of the electrical energy fed to the Electric Utility by the Community Distributed Generation Facility shall be determined as the product of the Community Distributed Generation Facility's generation expressed in kWh and the Utility's Avoided Cost rate.
- 4.2.3. For each Distributed Generation Customer, who is a member of a Community Distributed Generation Organization, the Electric Utility's Avoided Cost rate shall be clearly identified on that customer's monthly bill.
- 4.2.4. Credit calculated pursuant to Section 4.2.2. shall be credited to each Community Distributed Generation Organization member's next bill for electric service.
- 4.2.5. Allocation of bill credits shall be determined by the Community Distributed Generation Organization, and subject to approval by the Commission.

4.3. Sizing of distributed generation facilities:

- 4.3.1. Distributed Generation Facilities that begin operation, or are modified and continue operations after the Effective Date, shall be designed to produce no more than 100 percent of the Distributed Generation Customer's expected aggregate electric consumption, calculated as the average of the two previous 12 month periods of actual electric usage at the time of installation of the Distributed Generation Facility.
- 4.3.2. If two previous 12-month periods of actual electric usage are not available, electric consumption will be estimated based on the usage of other similarly-situated customers.

4.4. Additional charges for distributed generation facilities:

- 4.4.1. All Distributed Generation Customers and Community Distributed Generation Organizations shall be required to reimburse the Electric Utility for all Interconnection Costs.
- 4.4.2. Electric Utility shall calculate Interconnection Costs for each request on a nondiscriminatory basis with respect to distribution level customers with similar load characteristics.

4.5. Large distributed generation projects:

- 4.5.1. The Commission may allow distributed generation projects greater than 300kW for a Commercial Distributed Generation Customer, if the customer's project is found to be in the public interest.
 - 4.5.1.1. All large distributed generation project interconnection requests shall be docketed and published in the Commission's official bulletin prior to Commission approval. Requests for approval of multiple systems by the same Commercial Distributed Generation Customer greater than 300 kW will be permitted as a single filing.
 - 4.5.1.2. Expedited treatment may be allowed by the Commission upon a showing of good cause by the applicant.

- 4.5.2. Large Distributed Generation Customers shall reimburse the Electric Utility for the costs of all reasonable and necessary engineering analyses and/or studies performed by the Electric Utility to facilitate the project's interconnection and grid operation.
- 4.5.3. Large Distributed Generation Customers shall compensate the Electric Utility for necessary modifications to the Electric Utility's system necessary to interconnect the large distributed generation project.
- 4.5.4. The Commission reserves its rights to determine, on an individual application basis, the appropriate bill credit granted to large distributed generation projects for the electricity put to the Utility distribution grid and whether or not any modifications to the terms and conditions for distributed generation reimbursements defined in Section 4.5 of this Rule apply.
- 4.5.5. All large distributed generation projects are bound by all existing rules and procedures regarding interconnection.

4.6. Renewable energy credits ("RECs"):

- 4.6.1. The Commission has the sole right to determine the eligibility and applicability of RECs, including solar RECs ("SRECs"), associated with all types of distribution level interconnected renewable distributed generation as it applies to Commission policymaking. As necessary, the Commission will develop rules for the creation, trade, monitoring and verification of RECs ~~or solar RECs ("SRECs")~~ for application to Commission policymaking at such time that it is in the public interest to develop such rules.
- 4.6.2. To the extent not restricted by future Commission policymaking, the Distributed Generation Customer or Community Distributed Generation Organization shall retain ownership of all RECs ~~or SRECs~~ associated with electric energy produced from the Distributed Generation Facility or Community Distributed Generation Facility, unless the Distributed Generation Customer or Community Distributed Generation Organization has relinquished such ownership by contractual agreement with a third party. A Distributed Generation Customer will have to option to retain or transfer RECs associated with electric energy already produced those credits upon the sale of the property housing the solar facilities.
- 4.6.2.4.6.3. However, a utility, as part of a Distributed Generation tariff filing subject to the approval of the Commission, may request the opportunity to offer to purchase RECs from REC owners interested in relinquishing their REC ownership.

Section V: Interconnection of Distributed Generation Facilities to Existing Electric Power Systems.

5.1. Standard Interconnection Agreement:

- 5.1.1. Each Electric Utility shall file, for approval by the Commission, a Standard Interconnection Agreement for Distributed Generation Facilities (please see Appendix A as an illustrative example of a Standard Interconnection Agreement for Distributed Generation Facilities). If an Electric Utility has a standard Interconnection Agreement, it may use its own Agreement.
- 5.1.2. An Electric Utility may request a modification to its Standard Interconnection Agreement but no proposed changes or modifications will be allowed without prior Commission approval.
- 5.1.3. The Standard Interconnection Agreement shall describe any and all Interconnection Costs, and other customer charges for which the Distributed Generation Customer or Community Distributed Generation Organization shall be responsible.

- 5.1.4. The Standard Interconnection Agreement shall include provisions that explicitly allow the Utility to periodically inspect Distributed Generation and Community Distributed Generation Facilities. Utilities will be responsible for auditing Distributed Generation and Community Distributed Generation Facility installations to ensure their continued compliance with the Standard Interconnection Agreement and that any system modifications that have been made after the original interconnect have been reported to the Utility and are in compliance with this Rule.
- 5.1.5. Utilities will be responsible for ensuring that Distributed Generation and Community Distributed Generation Facilities are in compliance with the original or modified terms of their Standard Interconnection Agreement. Utilities shall recover the costs of ensuring this compliance from customers taking service under their respective Distributed Generation or Community Distributed Generation tariffs and not from other ratepayer classes.

5.2. Requirements for Initial Interconnection of Distributed Generation Facilities:

- 5.2.1. A Distributed Generation Customer or Community Distributed Generation Organization shall execute a Standard Interconnection Agreement for Distributed Generation Facilities (see Appendix A as an illustrative example of a Standard Interconnection Agreement for Distributed Generation Facilities) prior to interconnection with the Utility's distribution facilities. The Standard Interconnection Agreement shall set forth the expenses for which the Distributed Generation Customer or Community Distributed Generation Organization shall be responsible.
- 5.2.2. A Distributed Generation Facility or Community Distributed Generation Facility shall be capable of safe parallel operations prior to commencing the delivery of power into the Utility system at a single point of interconnection.
- 5.2.3. Interconnected facilities shall have a visibly open, lockable, manual disconnection switch that is accessible by the Electric Utility and clearly labeled, unless this requirement is waived by the Electric Utility pursuant to Section 4 of the Standard Interconnection Agreement.
- 5.2.4. The ~~Residential~~ Distributed Generation Customer ~~or Community Distributed Generation Organization~~ shall submit a Standard Interconnection Agreement to the Electric Utility at least ~~fourteen (14)~~thirty (30) business days prior to the date the customer intends to interconnect the Distributed Generation Facility to the Utility's facilities. However, utilities will utilize their best efforts to complete the review of Residential Distributed Generation applications within fourteen (14) days.~~or Community or Commercial Distributed Generation Facilities shall submit a Standard Interconnection Agreement to the Electric Utility at least forty-five (45) business days prior to the date the customer intends to interconnect the Distributed Generation Facility to the Utility's facilities.~~
- 5.2.4.1. The Distributed Generation Customer or Community Distributed Generation Organization will be required to provide documentation indicating the date upon which the notification was physically or electronically provided to the Electric Utility.
- 5.2.4.2. Part I, Standard information, Sections 1 through 4 of the Standard Interconnection Agreement, or applicable information contained within approved Standard Interconnection Agreements, must be completed for the notification to be valid.

- 5.2.4.3. The Distributed Generation Customer or Community Distributed Generation Organization shall have all equipment necessary to complete the interconnection prior to such notification.
- 5.2.4.4. If mailed, the date of notification shall be the third day following the mailing of the Standard Interconnection Agreement.
- 5.2.4.5. The Electric Utility shall provide a copy of the Standard Interconnection Agreement upon request.
- 5.2.5. The Distributed Generation Facility or Community Distributed Generation Facility shall, at the Distributed Generation Customer or Community Distributed Generation Organization expense, meet all safety and performance standards established by local and national electric codes including the National Electric Code ("NEC"), the Institute of Electrical and Electronics Engineers ("IEEE"), the National Electrical Safety Code ("NESC"), and Underwriters Laboratories ("UL").
- 5.2.6. The Distributed Generation Facility or Community Distributed Generation Facility shall, at the Distributed Generation Customer or Community Distributed Generation Organization expense, meet all reasonable safety and performance standards adopted by the Utility, and approved by the Commission, to assure safe and reliable operation of the facility and the Utility's distribution grid.
- 5.2.7. If the Electric Utility's existing facilities are not adequate to interconnect with the Distributed Generation Facility or Community Distributed Generation Facility, any changes will be performed in accordance with the Electric Utility's Standard Interconnection Agreement for Distributed Generation Facilities as well as separate policies regarding extension of facilities.

5.3. Modifications or changes to a distributed generation facility:

- 5.3.1. All Distributed Generation Facilities and Community Distributed Generation Facilities will be required to provide Utility access to their systems, on a periodic basis, to assure compliance with the terms and representations of the characteristics of their systems in their original interconnection applications.
- 5.3.2. All Distributed Generation Facilities and Community Distributed Generation Facilities shall be required to notify the Electric Utility, in writing, of any material system or interconnection modifications to their systems that include, but are not limited to increases in the generation capacities of these systems.
- 5.3.3. Distributed Generation and Community Distributed Generation Facilities will allow Utilities to inspect all modifications to their systems for continued compliance with the safety provisions in Section 4.3.
- 5.3.4. Utilities that find material modifications or changes made to a Distributed Generation Facility or Community Distributed Generation Facility that would render the facility in violation of the safety provisions of Section 4.3. shall report such violations to the Commission for further action.
- 5.3.5. After notice, the Commission may require Utilities to disconnect Distributed Generation Facilities and Community Distributed Generation Facilities that are found to be out of compliance with this Rule. To the extent that it is impractical to provide notice due to emergency conditions or threat to grid reliability, the Commission may allow an immediate disconnection. Nothing herein should be interpreted to alter the rights of the Utilities or customers provided in the Utilities' Terms of Service.

- 5.4. **Transferability:** Valid interconnection agreements shall be transferable to the purchaser of the property on which the facility is located upon transfer or activation of electric service provided that such Distributed Generation or Community Distributed Generation Facilities are in compliance with this Rule at the time of the transfer.

Section VI: Distributed Generation Rate Rider.

- 6.1. **Distributed generation Rate Rider:** Each Electric Utility shall update its tariff on file with the Commission within 30 days from the effective date of these Rules to provide a Rate Rider in accordance with these Rules. The distributed generation Rate Rider shall be filed with and maintained by the Commission.

- 6.2. **Avoided Costs:** Distributed generation Rate Riders shall include an Avoided Cost rate for the crediting of any electricity from Distributed Generation Facilities and Community Distributed Generation Facilities with a design capacity of 300kW or less. ~~Avoided Cost rates must either:~~

~~6.2.1. Avoided Costs shall be calculated as the 12-month average Locational Marginal Price for each LPSC-jurisdictional Electric Utility. The Avoided Cost rate will be updated annually by each LPSC-jurisdictional Electric Utility in their annual filing pursuant to Section 7.2 of these Rules, and the calculation of Avoided Cost will be the 12-month average for the prior calendar year of the Locational Marginal Price associated with the LPSC-jurisdictional Electric Utility's load zone in the applicable Independent System Operator market: the Midwest Independent System Operator or the Southwest Power Pool.~~

~~6.2.2. All amounts credited/compensated to customers for excess net metered energy exported to the electric utility, whether at avoided cost of full retail rates, shall continue to be eligible for recovery by the utility pursuant to Commission General Order dated November 6, 1997 (Order No. U-21497), which governs the types of costs that may be recovered through a utility's monthly Fuel Adjustment Clause.~~

~~6.3.0. Comply with Section 204(a)(c) and (e), regarding standard rates for purchases at avoided costs, of the Commission's General Order dated February 27, 1998, provided the Electric Utility considers the following avoided cost provisions:~~

~~6.4.0.0. Items including, but not limited to, seasonally differentiated avoided cost rates, time variant avoided cost rates, avoided generation capacity costs, avoided transmission and distribution costs, avoided costs determined by locational marginal prices and/or other market-based metrics from organized markets that include values (credits) for renewables and other environmental/clean air markets.~~

~~6.5.0.0. Adjustments for avoided line losses.~~

~~6.6.0.0. All avoided cost provisions must be supported by evidence and approved by the Commission prior to implementation.~~

~~6.2.1.4 Unless otherwise specified in the order approving the rate, if the Commission allows such adjustment to reflect criteria described above, the rate shall be updated bi-annually and all amounts credited to customers for net metered energy exported to the electric utility shall be eligible for recovery pursuant to the LPSC's General Order No. U-21497, which governs the types of costs that may be recovered through a utility's monthly Fuel Adjustment Clause; or~~

~~6.8.0. Electric Utilities may propose innovative avoided cost rates for distributed generation purposes. Innovative avoided cost rates shall be supported by evidence and approved by the Commission prior to implementation.~~

6.9.6.3. Distributed generation charges:

6.9.1.6.3.1. Following notice and opportunity for public comment within the context of a general rate case or a formula rate plan request, the Commission may authorize an Electric Utility to assess a greater fee or customer charge, of any type, to Distributed Generation Customers.

6.9.2.6.3.2. Requests for additional charges for Distributed Generation Customers shall be accompanied by supporting evidence, including, but not necessarily limited to, cost/benefit analyses and studies.

6.10.6.4. Restricted service: Distributed generation Rate Riders shall not be made available to customers taking temporary service.

Section VII: Other Provisions.

7.1. Facilities installed prior to the Effective Date (Grandfathering Provision):

7.1.1. For Distributed Generation Facilities, except large distributed generation projects pursuant to Section 4.5., ~~certified by the Electric Utility as interconnected to the electric grid who have submitted a completed interconnection request and completed installation of a Distributed Generation Facility~~ prior to the Effective Date, the Distributed Generation Customer associated with the facility shall ~~receive the full retail rate for all energy produced and consumed and be credited at full retail rates for excess energy sold back to the utility through December 31, 2034 (i.e., a 15-year grandfathered period).~~ This includes all current Distributed Generation Customers who presently do not receive full retail for excess energy sold. After December 31, 2034, these grandfathered customers shall receive the full retail for all the energy produced and consumed and be credited at avoided cost for all excess energy sold back to the Utility, pursuant to Section 7.1.5, ~~compensated pursuant to existing tariff effective on the calendar day immediately prior to the Effective Date.~~

7.1.2. ~~All customers who submit an interconnection request and/or install a Distributed Generation Facility on or after the Effective Date shall receive the full retail rate for all energy produced and consumed and be credited at avoided costs for the excess energy sold back to the utility, consistent with Section 4.1.~~

7.1.3. If the Distributed Generation Facility makes a material change or modification to a Distributed Generation Facility installed prior to the Effective Date ~~requiring the submission of a new interconnection request, which modification includes but is not limited to an increase in the generation capacity of the Distributed Generation Facility,~~ the Distributed Generation Facility shall be credited consistent with Section 4.1.

7.1.4. If the Distributed Generation Facility is transferred to another owner other than the owner on the Effective Date, ~~Section 7.1 (Grandfathering Provision) will apply for the new owner until December 31, 2034, pursuant to Section 7.1.5, the calendar day immediately prior to the Effective Date, the Distributed Generation Facility shall be credited consistent with Section 4.1.~~

7.1.5. Section 7.1. shall no longer apply to any Distributed Generation Facility ~~five~~ fifteen years after the Effective Date ~~(i.e. December 31, 2034).~~

7.2. Filing and reporting requirements: Each Electric Utility shall file a distributed generation annual report no later than March 1 of each year, covering the prior calendar year.

7.2.1. Distributed generation annual reports shall be in Excel format, and consistent with the form provided in Appendix C.

7.3. Integrated resource plan: Electric Utilities that file an Integrated Resource Plan or comparable electric system planning with the Commission shall include an analysis of distributed generation

subject to this Rule as part of the Electric Utility's Integrated Resource Plan or comparable electric system planning document. Such analysis shall include:

- 7.3.1. Documentation on the current level of distributed generation (in capacity and installation terms) within the Electric Utility's service territory as well as for the prior five calendar years.
 - 7.3.2. A discussion and analysis of the impact that distributed generation installations are having on the Electric Utility's system resource requirements.
 - 7.3.3. A forecast of future distributed generation (in terms of installations and capacity) for at least a five-year period.
 - 7.3.4. Electric Utilities are encouraged to provide as part of its IRP or comparable analysis, documentation on the monetary value of the avoided energy and capacity requirements distributed generation has provided to the Utility's system historically, and forecasts of the expected monetary benefits associated with avoided energy and capacity requirements due to distributed generation.
- 7.4. **Prospective Basis:** These Rules shall be applied on a prospective basis only, without any true-up of net metered customers that were credited/compensated for excess net metered energy at the Electric Utility's avoided cost rate during the interim period from when the Utility met the 0.5% cap pursuant to Section 5.02 of the Net Metering Rules adopted in General Order dated December 8, 2016.

Commission Review: The Commission may revisit this Rule at any time. There will be an automatic re-evaluation of the Rule at the end of the grandfathering period or earlier if directed by the Commission.

APPENDIX A

STANDARD INTERCONNECTION AGREEMENT FOR DISTRIBUTED GENERATION FACILITIES

I. STANDARD INFORMATION

Section 1. Customer Information

Name: _____
Mailing Address: _____
City: _____ State: _____ Zip Code: _____
Facility Location (if different from above): _____
Daytime Phone: _____ Evening Phone: _____
Utility Customer Account (from electric bill): _____

Section 2. Generation Facility Information

Generator Rating (kW): AC or DC (circle one)
Describe Location of Accessible and Lockable Disconnect: _____
Inverter Manufacturer: _____ Inverter Model: _____
Inverter Location: _____ Inverter Power Rating: _____

Section 3. Installation Information

Attach a detailed electrical diagram of the distributed generation facility.

Installed by: _____ Qualifications/Credentials : _____
Mailing Address: _____
City: _____ State: _____ Zip Code: _____
Daytime Phone: _____ Installation Date: _____

Section 4. Certification

1. The system has been installed in compliance with the local Building/Electrical Code of (City/Parish)

Signed (Inspector): _____ Date: _____
(In lieu of signature of inspector, a copy of the final inspection certificate may be attached.)

2. The system has been installed to my satisfaction and I have been given system warranty information and an operation manual, and have been instructed in the operation of the system.

Signed (Owner): _____ Date: _____

Section 5. Utility Verification and Approval

1. Facility Interconnection Approved: _____ Date: _____
Metering Facility Verification by: _____ Verification Date: _____

2. INTERCONNECTION AGREEMENT TERMS AND CONDITIONS

This Interconnection Agreement for Distributed Generation Facilities ("Agreement") is made and entered into this ____ day of _____, 20__, by _____ ("Utility") and _____ ("Customer"), a _____ (specify whether corporation or other), each hereinafter sometimes referred

to individually as "Party" or collectively as the "Parties". In consideration of the mutual covenants set forth herein, the Parties agree as follows:

Section 1. The Distributed Generation Facility

The Distributed Generation Facility meets the requirements of "Distributed Generation Facility", as defined in the Louisiana Rule for distribution-level customer energy generation ("Distributed Generation Rules").

Section 2. Governing Provisions

The terms of this agreement shall be interpreted under and subject to Louisiana Law. The parties shall be subject to the provisions of Act No. 653 of the 2003 Regular Session, the terms and conditions as set forth in this Agreement, the Distributed Generation Rules, and the Utility's applicable tariffs.

Section 3. Interruption or Reduction of Deliveries

The Utility shall not be obligated to accept and may require Customer to interrupt or reduce deliveries when necessary in order to construct, install, repair, replace, remove, investigate, or inspect any of its equipment or part of its system; or if it reasonably determines that curtailment, interruption, or reduction is necessary because of emergencies, forced outages, force majeure, or compliance with prudent electrical practices. Whenever possible, the Utility shall give the Customer reasonable notice of the possibility that interruption or reduction of deliveries may be required. Notwithstanding any other provision of this Agreement, if at any time the Utility reasonably determines that either the facility may endanger the Utility's personnel or other persons or property, or the continued operation of the Customer's facility may endanger the integrity or safety of the Utility's electric system, the Utility shall have the right to disconnect and lock out the Customer's facility from the Utility's electric system. The Customer's facility shall remain disconnected until such time as the Utility is reasonably satisfied that the conditions referenced in this Section have been corrected.

Section 4. Interconnection

Customer shall deliver the as-available energy to the Utility at the Utility's meter.

Utility shall furnish and install a standard kilowatt-hour meter. Customer shall provide and install a meter socket for the Utility's meter and any related interconnection equipment per the Utility's technical requirements, including safety and performance standards. Customer shall be responsible for all costs associated with installation of the standard kilowatt-hour meter and testing in conformity with Section 3.2. of the Distributed Generation Rules.

The customer, if receiving service from the Utility under a residential service tariff, shall submit a Standard Interconnection Agreement to the electric utility at least ~~fourteen~~ thirty (30) business days prior to the date the customer intends to interconnect the distributed generation facilities to the utility's facilities. If the customer receives service from the Utility under a commercial service tariff or the proposed distributed generation facility is organized as a Community Distributed Generation Facility, the customer shall submit a Standard Interconnection Agreement to the electric utility at least ~~forty-five~~ (45) business days prior to the date the customer intends to interconnect the distributed generation facility to the utility's facilities. Part I, Standard Information Sections 1 through 4 of the Standard Interconnection Agreement must be completed for the notification to be valid. The customer shall have all equipment necessary to complete the interconnection prior to such notification. If mailed, the date of notification shall be the third day following the mailing of the Standard Interconnection agreement. The net metering customer shall be required to provide documentation indicating the date upon which the notification was mailed to the electric utility. The electric utility shall provide a copy of the Standard Interconnection Agreement to the customer upon request.

Following notification by the customer, the utility shall review the plans of the facility and provide the results of its review to the customer ~~within fourteen (14) business days~~. Any items that would prevent parallel operation due to violation of applicable safety standards and/or power generation limits shall be explained along with a description of the modifications necessary to remedy the violations. If the customer receives service from the Utility under a residential service tariff, the Utility shall utilize its best efforts to complete and provide the results of its review outlined in this paragraph within fourteen (14) days.

To prevent a distributed generation customer from back-feeding a de-energized line, the customer shall install a manual disconnect switch with lockout capability that is accessible to utility personnel at all hours. This requirement for a manual disconnect switch may be waived if the following three conditions are met: 1) The inverter equipment must be designed to shut down or disconnect and cannot be manually overridden by the customer upon loss of utility service; 2) The inverter must be warranted by the manufacturer to shut down or disconnect upon loss of utility service; and 3) The inverter must be properly installed and operated, and inspected and/or tested by utility personnel. The decision to grant the waiver will be at the Utility's discretion, however, any decision will be subject to review by the Commission.

Customer, at his own expense, shall meet all safety and performance standards established by local and national electrical codes including the National Electrical Code (NEC), the Institute of Electrical and Electronics Engineers (IEEE), the National Electrical Safety Code (NESC), and Underwriters Laboratories (UL).

Customer, at his own expense, shall meet all safety and performance standards adopted by the utility and filed with and approved by the Commission pursuant to Section 5.2.6. of the Distributed Generation Rules that are necessary to assure safe and reliable operation of the net metering facility to the utility's system.

Customer shall not commence parallel operation of the distributed generation facility until the distributed generation facility has been inspected and approved by the Utility. Such approval shall not be unreasonably withheld or delayed. Notwithstanding the foregoing, the Utility's approval to operate the Customer's distributed generation facility in parallel with the Utility's electrical system should not be construed as an endorsement, confirmation, warranty, guarantee, or representation concerning the safety, operating characteristics, durability, or reliability of the Customer's net metering facility.

Proposed modifications or changes to a distributed generation facility shall be evaluated by the Utility prior to being made. The Customer shall provide detailed information describing the modifications or changes to the Utility in writing prior to making the modifications to the distributed generation facility. The Utility shall review the proposed changes to the facility and provide the results of its evaluation to the Customer within fourteen (14) business days of receipt of the Customer's proposal. Any items that would prevent parallel operation due to violation of applicable safety standards and/or power generation limits shall be explained along with a description of the modifications necessary to remedy the violations.

Section 5. Maintenance and Permits

The customer shall obtain any governmental authorizations and permits required for the construction and operation of the net metering facility and interconnection facilities. The Customer shall maintain the distributed generation facility and interconnection facilities in a safe and reliable manner and in conformance with all applicable laws and regulations.

Section 6. Access to Premises

The Utility may enter the Customer's premises to inspect the Customer's protective devices and read or test the meter. The Utility may disconnect the interconnection facilities without notice if the Utility reasonably believes a hazardous condition exists and such immediate action is necessary to protect persons, or the Utility's facilities, or property of others from damage or interference caused by the Customer's facilities, or lack of properly operating protective devices.

Section 7. Indemnity and Liability

Each party shall indemnify the other party, its directors, officers, agents, and employees against all loss, damages expense and liability to third persons for injury to or death of persons or injury to property caused by the indemnifying party's engineering design, construction ownership or operations of, or the making of replacements, additions or betterment to, or by failure of, any of such party's works or facilities used in connection with this Agreement by reason of omission or negligence, whether active or passive. The indemnifying party shall, on the other party's request, defend any suit asserting a claim covered by this indemnity. The indemnifying party shall pay all costs that may be incurred by the other party in enforcing this indemnity. It is the intent of the parties hereto that, where negligence is determined to be contributory, principles of comparative negligence will be followed and each party shall bear the proportionate cost of any loss, damage, expense and liability attributable to that party's negligence.

Nothing in this Agreement shall be construed to create any duty to, any standard of care with reference to or any liability to any person not a party to this Agreement. Neither the Utility, its officers, agents or employees shall be liable for any claims, demands, costs, losses, causes of action, or any other liability of any nature or kind, arising out of the engineering, design construction, ownership, maintenance or operation of, or making replacements, additions or betterment to, the Customer's facilities by the Customer or any other person or entity.

Section 8. Notices

All written notices shall be directed as follows:

Attention:

[Utility Agent or Representative]

[Utility Name and Address]

Attention:

[Customer]

Name: _____

Address: _____

City: _____

Customer notices to Utility shall refer to the Customer's electric service account number set forth in Section 1 of this Agreement.

Section 9. Term of Agreement

The term of this Agreement shall be the same as the term of the otherwise applicable standard rate schedule. This Agreement shall remain in effect until modified or terminated in accordance with its terms or applicable regulations or laws.

Section 10. Assignment

This Agreement and all provisions hereof shall inure to and be binding upon the respective parties hereto, their personal representatives, heirs, successors, and assigns. The Customer shall not assign this Agreement or any part hereof without the prior written consent of the Utility, and such unauthorized assignment may result in termination of this Agreement.

IN WITNESS WHEREOF, the parties have caused this Agreement to be executed by their duly authorized representatives.

Dated this _____ day of _____, 20__.

Customer:

Utility:

By: _____

By: _____

Title: _____

Title: _____

Mailing Address:

Mailing Address:

APPENDIX B

Accuracy Requirements for Service Watt-Hour Meters, Demand Meters, and Pulse Recorders:

A. Initial and Test Adjustments:

- (1) No watt-hour meter that has an incorrect register constant, test constant, gear ratio or dial train, or that registers upon no load ("creeps"), shall be placed in service or allowed to remain in service without adjustment and correction. An in-service meter "creeps" when, with potential applied to all stators and with all load wires disconnected, the moving element makes one complete rotation in 10 minutes or less.
- (2) No watt-hour meter that has an error in registration of more than the limits allowed in Rule 7.05.B. (1) shall be placed in service or be allowed to remain in service without adjustment. When meter error is found to exceed any one of the test limits in Rule 7.05.B.(1), it must be adjusted and a correction made to the customer's bill.
- (3) Meters must be adjusted as closely as practicable to the condition of zero error by no greater than ± 0.5 percent.

B. Acceptable Performance

(1) Watt-Hour Meter Accuracy

The average error of the watt-hour meter shall not exceed ± 2 percent.

| | <u>Test Current</u> | <u>Power Factor</u> | <u>Accuracy</u> |
|------------|---------------------|---------------------|-----------------|
| Heavy Load | 100% Test Amperes | 1.0 | $\pm 2\%$ |
| | 100% Test Amperes | 0.5 | $\pm 2\%$ |
| Light Load | 10% Test Amperes | 1.0 | $\pm 2\%$ |

(2) Demand Meter Accuracy

The error of the demand register shall not exceed $\pm 4\%$ of the full scale value when tested between 25 percent and 100 percent of full scale value.

(3) Pulse Recorders

Pulse recorders shall not differ by more than ± 2 percent from the corresponding kilowatt hour meter registration. The timing error shall not exceed ± 2 minutes per day.

(4) Time of Use Meters

The timing element of time of use meters shall not be in error with central standard/daylight savings time by more than +/- 15 minutes.

C. Average Error

- (1) The average error of a service watt-hour meter shall be determined as follows:

$$WA = LL + 4HL / 5$$

Where:

| | | |
|----|---|---|
| WA | = | weighted average error of a service watt-hour meter |
| LL | = | error at light load for 100 percent power factor |
| HL | = | error at heavy load for 100 percent power factor |

- (2) The average error of the watt-hour portion of a demand meter shall be determined as follows:

$$WA = LL + 4HL + 2HHL / 7$$

Where:

| | | |
|-----|---|---|
| WA | = | weighted average of error of the watt-hour portion of a demand meter. |
| LL | = | error at light load of 100 percent power factor |
| HL | = | error at heavy load for 100 percent power factor |
| HHL | = | error at heavy load with 50 percent lagging power factor. |

**Service List for R-33929
as of 9/4/2019**

Commissioners

Mike Francis, Commissioner
Foster L. Campbell, Commissioner
Lambert C Boissiere III., Commissioner
Eric Skrmetta, Commissioner
Craig Greene, Commissioner

LPSC Staff Counsel

Kathryn Bowman, LPSC Staff Attorney

LPSC Staff

Robin Pendergrass, LPSC Auditing Division
Donnie Marks, LPSC Utilities Division
Jessica Kayuha, LPSC Utilities Division

LPSC Consultant

David Dismukes
5800 One Perkins Place Drive, Suite 5F
Baton Rouge, LA 70808-9117
Email(s): daviddismukes@acadianconsulting.com
Telephone 1:(225)578-4343; Fax:(225)769-2608;

LPSC Special Counsel

Paul Zimmering
909 Poydras St Ste 3150
New Orleans, LA 70112-4041
Email(s): pzimmering@stonepigman.com
Fax:(504)581-3361; Telephone 1:(504)581-3200;

Noel Darce
909 Poydras St Ste 3150
New Orleans, LA 70112-4041
Email(s): ndarce@stonepigman.com
Fax:(504)581-3361; Telephone 1:(504)581-3200;

Intervenor:

Alliance for Affordable Energy

Casey DeMoss, Executive Director
Alliance for Affordable Energy

Intervenor:

Alliance for Affordable Energy

2372 St. Claude Ave., #300A
New Orleans, LA 70001
Email(s): casey@all4energy.org

Jessica Hendricks
The Alliance for Affordable Energy
4505 S CLAIBORNE AVE
New Orleans, LA 70125-5007
Email(s): jessica@all4energy.org
Telephone 1:(504)208-9761;

Logan Atkinson Burke
Alliance for Affordable Energy
4505 S. Claiborne Avenue
New Orleans, LA 70125
Email(s): Logan@all4energy.org
Telephone 1:(504)208-9761; Telephone 1:(504)208-9761;

Thomas W. Milliner
Anzelmo, Milliner & Burke, LLC
4035 Washington Avenue
New Orleans, LA 70125
Email(s): tommymilliner@all4energy.org
Fax:(504)208-9768; Telephone 1:(504)835-9951;

Association of Louisiana Electric Cooperatives, Inc. (ALEC)

Kara B. Kantrow
Marionneaux Kantrow, LLC
10202 Jefferson Highway, Building C
Baton Rouge, LA 70809-3183
Email(s): kara@mklawla.com
Telephone 1:(225)757-1709; Fax:(225)769-7473;

Kyle C. Marionneaux
Marionneaux Kantrow, LLC
10202 Jefferson Highway
Building C
Baton Rouge, LA 70809-3183
Email(s): kyle@mklawla.com
Fax:(225)757-1709; Telephone 1:(225)769-7473;

Cleco Power LLC

Cleco Power LLC

Francisca M. M. Comeaux
Phelps and Dunbar, LLP
400 Convention Street, Suite 1100
P. O. Box 4412
Baton Rouge, LA 70802
Email(s): comeauxf@phelps.com
Telephone 1:(225)376-0216; Fax:(225)381-9197;

John O. Shirley
Phelps Dunbar, LLP
II City Plaza, 400 Convention Street, Suite 1100
P. O. Box 4412
Baton Rouge, LA 70802-5618
Email(s): john.shirley@phelps.com
Fax:(225)381-9197; Telephone 1:(225)346-0285;

Marcus A. Augustine
Cleco Power LLC
2030 Donahue Ferry Road
Pineville, LA 71360
Email(s): marcus.augustine@cleco.com
Telephone 1:(318)484-7723; Fax:(318)484-7685;

Mark D. Pearce, General Counsel
Cleco Power LLC
2030 Donahue Ferry Road
Pineville, LA 71360
Email(s): mark.pearce@cleco.com
Fax:(318)484-7685; Telephone 1:(318)484-7744;

Paul F. Guarisco
Phelps Dunbar, LLP
II City Plaza, 400 Convention Street, Suite 1100
P. O. Box 4412
Baton Rouge, LA 70802
Email(s): paul.guarisco@phelps.com
Fax:(225)381-9197; Telephone 1:(225)376-0241;

Dixie Electric Membership Corporation (DEMCO)

James L. Ellis
Taylor, Porter, Brooks & Phillips, LLP
P. O. Box 2471
Baton Rouge, LA 70821
Email(s): jim.ellis@taylorporter.com
Fax:(225)346-8049; Telephone 1:(225)387-3221;

Entergy Louisiana, LLC

Karen H. Freese
Entergy Services, Inc.
Mail Unit L-ENT-26-E
639 Loyola Avenue
New Orleans, LA 70113
Email(s): kfreese@entergy.com
Fax:(504)576-5579; Telephone 1:(504)576-2648;

Lawrence J. Hand Jr.
Entergy Services, Inc.
639 Loyola Avenue
Mail Unit L-ENT-26E
New Orleans, LA 70113
Email(s): lhand@entergy.com
Fax:(504)576-5579; Telephone 1:(504)576-6825;

Mark D. Kleehammer, Vice President
Entergy Services, Inc.
4809 Jefferson Highway
Mail Unit L-JEF-357
Jefferson, LA 70121
Email(s): mkleeha@entergy.com
Fax:(504)840-2681; Telephone 1:(504)840-2528;

Michael J. Plaisance
Entergy Services, Inc.
639 Loyola Avenue
Mail Unit L-ENT-26E
New Orleans, LA 70113
Email(s): mplaisa@entergy.com
Fax:(504)576-5579; Telephone 1:(504)576-4122;

Gulf South Solar

Jeff Shaw
Gulf South Solar
4836 Revere Avenue, Suite F
Baton Rouge, LA 70808
Email(s): jeff@gulfsouthsolar.com
Telephone 1:(225)932-0035;

Gulf States Renewable Energy Industries Association

Gulf States Renewable Energy Industries Association

Jeffery Cantin, President
Gulf States Renewable Energy
400 POYDRAS ST STE 900
New Orleans, LA 70130-3738
Email(s): jcantin@gsreia.org
Telephone 1:(504)383-8936;

Will Feldman
Gulf States Renewable Energy Industries Association
400 Poydras Street
Suite 900
New Orleans, LA 70130
Email(s): wfeldman@gsreia.org
Telephone 1:(818)631-9884;

Louisiana Energy Users Group

Carrie Tournillon
Kean Miller LLP
400 Convention Street, Suite 700
P. O. Box 3513
Baton Rouge, LA 70821
Email(s): carrie.tournillon@keanmiller.com
Fax:(0)388-9133; Telephone 1:(0)387-0999;

Katherine W. King
Kean Miller LLP
400 Convention Street, Suite 700
Baton Rouge, LA 70821
Email(s): Katherine.King@keanmiller.com
Fax:(225)388-9133; Telephone 1:(225)387-0999;

Randy Young
Kean Miller, LLP
400 Convention Street, Suite 700
Baton Rouge, LA 70821-3513
Email(s): randy.young@keanmiller.com
Telephone 1:(225)388-9133; Telephone 1:(225)388-9133;

Marathon Petroleum Company, LP

Marathon Petroleum Company, LP

John H. Chavanne, c/o Chavanne Enterprises
111 West Main Street, Suite 2B
PO Box 807
New Roads, LA 70760-8922
Email(s): jchav@bellsouth.net
Fax:(225)638-8933; Telephone 1:(225)638-8922;

Marland L. Turner
Marathon Petroleum Company LP
539 South Main Street
Findlay, OH 45840-3295
Email(s): mturner@marathonpetroleum.com
Fax:(419)421-8471; Telephone 1:(419)421-3131;

PosiGen of Louisiana, LLC

Elizabeth Galante, Executive Director
PosiGen of Louisiana, LLC
2424 Edenborn Avenue, Suite 550
Metairie, LA 70001
Email(s): bgalante@posigen.com
Telephone 1:(504)339-5544;

Skelly McCay, Associate General Counsel
PosiGen of Louisiana
2424 Edenborn Ave., Ste. 550
Metairie, LA 70001
Email(s): smccay@posigen.com
Telephone 1:(504)293-5469;

Sierra Club Environmental Law Program

Casey Roberts
Sierra Club
2101 Webster Street, Suite 1300
Oakland, CA 94612
Email(s): casey.roberts@sierraclub.org
Fax:(415)977-5793; Telephone 1:(415)977-5710;

Joshua Smith, Staff Attorney
Sierra Club
2101 Webster Street, Suite 1300
Oakland, CA 94612
Email(s): joshua.smith@sierraclub.org
Fax:(510)208-3140; Telephone 1:(415)977-5560;

South Coast Solar, LLC

South Coast Solar, LLC

Robert L. Suggs Jr.
South Coast Solar
2605 Ridgelake Drive
Metairie, LA 70002
Fax:(0)617-6868; Telephone 1:(0)529-7869;

Southwest Louisiana Electric Membership Corp. (SLEMCO)

Theodore G. Edwards IV.
Davidson, Meaux, Sonnier, McElligott, Fontenot, Gideon & Edwards
810 South Buchanan Street
Lafayette, LA 70501
Email(s): gedwards@davidsonmeaux.com
Fax:(337)237-3676; Telephone 1:(337)237-1660; Telephone 1:(0)-;

Southwestern Electric Power Company (SWEPCO)

Bobby S. Gilliam
Wilkinson Carmody & Gilliam
400 Travis Street, Suite 1700
Shreveport, LA 71101
Email(s): bgilliam@wcglawfirm.com
Fax:(318)221-3705; Telephone 1:(318)221-4196;

Jonathan P. McCartney
Wilkinson Carmody & Gilliam
400 Travis Street, Suite 1700,
Shreveport, LA 71101
Email(s): jmccartney@wcglawfirm.com
Fax:(318)221-3705; Telephone 1:(318)221-4196;

The Alliance for Solar Choice

Kevin Fox
Keyes, Fox and Wiedman, LLP
1580 Lincoln St, Suite 880
Denver, CO 80203
Email(s): kfox@kfwlaw.com
Fax:(510)225-3848; Telephone 1:(510)314-8201;

Walmart Stores, Inc.

Walmart Stores, Inc.

David L. Woodsmall
Woodsmall Law Office
300 E. High Street, Suite 204
Jefferson City, MO 65101
Email(s): david.woodsmall@woodsmallllaw.com
Telephone 1:(573)797-0005; Fax:(573)636-6007;

Wilhite Energy LLC

David W. Young
Wilhite Energy, LLC.
2535 Bert Kouns Ind Loop
Suite 203-270
Shreveport, LA 71118
Email(s): kanteejr@aol.com
Telephone 1:(318)617-0760;

Interested Party:

Jamie Wine, Executive Director
Energy Wise Alliance
4519 S CLAIBORNE AVE
New Orleans, LA 70125-5007
Email(s): jamie@energyla.org
Mobile:(504)656-6224; Telephone 1:(504)222-2920;

Ecogy Energy

Brock D. Gibian
Ecogy Energy
67 West Street, Suite 232
Brooklyn, NY 11222
Email(s): brockgibian@ecpgyenergy.com
Telephone 1:(718)304-0945;

Jack Bertuzzi
Ecogy Energy
67 West Street, Suite 232
Brooklyn, NY 11222
Email(s): jackbertuzzi@ecogyenergy.com
Telephone 1:(718)304-0945;

EP2 Consulting, LLC.

EP2 Consulting, LLC.

Karen Haymon
EP2 Consulting, LLC.
P O Box 13604
Alexandria, LA 71315-3604
Email(s): karen@ep2consulting.com
Telephone 1:(318)290-7606;